

LESSO



Off-grid Inverter (Power Frequency)

>> Models:

LSOT2K

LSOT3K

LSOT4K

LSOT5K



Product Model		LSOT2K	LSOT3K	LSOT4K	LSOT5K
Rated Power		2000VA	3000VA	4000VA	7000VA
Rated Battery Voltage		48VDC	48VDC	48VDC	48VDC
Product Dimensions		460x265x199			635x279x199
Package Dimensions		535x343x265			715x353x265
Net weight (kg)		12.2	14.5	16	26.7
Gross weight (kg)		14.2	16.5	18	29
Input	Installation type	Wall mounted			
	DC Input Voltage Range	10.5-15Vdc(Battery voltage per unit)			
	Mains AC Input Voltage Range	73VAC~138VAC / 145VAC~275VAC			
	Mains AC Input Frequency	45Hz~65Hz			
	Max. mains AC Charge Current	0~30A(Depending on product type)			
	charging mode	constant current charging, constant voltage charging, float charging			
Output	Inverter output Efficiency	≥85%			
	Inverter output voltage	110VAC+2% / 220VAC+2%			
	Inverter output Frequency	50/60Hz±1%			
	Inverter output voltage waveform	Pure sine wave			
	AC output Efficiency	>99%			
	AC output voltage	110VAC+10% / 220VAC±10%			
	AC output frequency	Automatic tracking			
	Inverter output waveform distortion	≤3%(Linear load)			
	Self consumption on battery mode	≤0.8%Rated power			
	Self consumption on mains AC mode	≤2%Rated power (Mains AC charging not working)			
Protection feature	Battery low voltage alarm	Lead acid battery: 11V (per unit), Lithium iron phosphate battery and Ternary lithium iron battery data sets in BMS			
	Battery low voltage protection	Lead acid battery: 10.5V (per unit), Lithium iron phosphate battery and Ternary lithium iron battery data sets in BMS			
	Battery high voltage alarm	Lead acid battery: 15V (per unit), Lithium iron phosphate battery and Ternary lithium iron battery data sets in BMS			
	Battery high voltage protection	Lead acid battery: 17V (per unit), Lithium iron phosphate battery and Ternary lithium iron battery data sets in BMS			
	Battery high voltage recovery threshold	Lead acid battery: 14.5V (per unit), Lithium iron phosphate battery and Ternary lithium iron battery data sets in BMS			
	Overload protection	Automatic protection(Battery mode) , Circuit breaker or fuse(Mains AC mode)			
	Inverter output short circuit protection	Automatic protection(Battery mode) , Circuit breaker or fuse(Mains AC mode)			
	High temperature protection	>90°C(Turn off output)			
Alarm	A	Under normal working conditions, the buzzer does not sound			
	B	Battery failure, abnormal voltage, overload protection, the buzzer will beep 4 times per second			
	C	When starting machine for the first time,under normal operating condition,the buzzer will sound 5 times			
Operating Mode		Inverter priority/mains power priority/energy saving mode			
Switch time		≤4ms			
Display		LCD			
Cooling Method		Smart cooling system			
Environment	Operating Temperature	-10°C~40°C			
	Storage Temperature	-15°C~60°C			
	Noise	≤55dB			
	Operating Altitude	2000m(More than 2000 meters need degrading)			
	Relative Humidity	0%~95%;No condensation			

Remarks: Specifications are subject to change without notice